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Specification

SYSTEM FOR FINGERPRINT AUTHENTICATION BASED ON RIDGE SHAPE

INFORMATION

BACKGROUND OF THE INVENTION

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Field of the Invention

The present invention relates to a system for fingerprint authentication provided
to extract minutia ridge shapes by using simple data format to recognize curves and to
10 provide fast and effective mechanism with less memory space and computation
complexity.

Description of the Prior Art

15 One type of prior art fingerprint authentication systems is to extract position of
minutiae, which are points of ridge endings and bifurcations, in fingerprint images for both
templates and an input sample. Matching or verification is performed between extracted
data of input sample and template. Since fingerprint images of the input sample and

OK to enter Cnd 6-23-05
Substitute spec.